## INTERNATIONAL SEARCH REPORT

rnational Application No

T/JP2004/006707

Relevant to claim No.

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B60K7/00 B60G3/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 B60K B60G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages

EPO-Internal, PAJ

Category °

C. DOCUMENTS CONSIDERED TO BE RELEVANT

			<u></u>		
X	WO 02/083446 A (NAGAYA GO ; CORP (JP)) 24 October 2002 (; figures 50-54	BRIDGESTONE 2002-10-24)	1,2,5,6		
X	US 5 848 663 A (KURIKI NOBUH 15 December 1998 (1998-12-15 abstract; figure 1 column 2, lines 54-63 column 3, lines 33-40 column 3, lines 51-54	ARU)	1,2,5,6		
X	GB 156 398 A (PAUL ALPHONSE F RANSOMES SIMS & JEFFERIES LTG 13 January 1921 (1921-01-13) figure 1	1,5,7			
		-/			
X Furth	ner documents are listed in the continuation of box C.	X Patent family members are listed in	n annex.		
° Special cal	tegories of cited documents :				
"A" docume conside "E" earlier difiling di citation "O" docume other n	ent defining the general state of the art which is not ered to be of particular relevance locument but published on or after the international ate in which may throw doubts on priority claim(s) or is clied to establish the publication date of another or or other special reason (as specified) and referring to an oral disclosure, use, exhibition or neans int published prior to the international filing date but an the priority date claimed	<ul> <li>To later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>Xocument of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>Your document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>document member of the same patent family</li> </ul>			
Date of the a	actual completion of the international search .	Date of mailing of the international sear	•		
12	2 August 2004	24/08/2004			
	nailing address of the ISA European Patricologice, P.B. 5818 Patentiaan 2	Authorized officer			

## INTERNATIONAL SEARCH REPORT

T/JP2004/006707

C (Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	FC1/JP20	04/006707	
Category °		Relevant to claim No.		
			relevant to claim No.	
X	DE 37 25 620 A (KLAUE HERMANN) 23 February 1989 (1989-02-23) figure 2 column 4, lines 27-29		1,5	
X	US 5 679 087 A (LUTZ DIETER) 21 October 1997 (1997-10-21) figure 2 column 9, lines 4-26		1,5	
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 287 (M-678), 19 March 1988 (1988-03-19) & JP 62 227813 A (ISUZU MOTORS LTD), 6 October 1987 (1987-10-06) abstract		1,5	
A	EP 0 544 597 A (TOKYO R & D KK) 2 June 1993 (1993-06-02) figures		1,5	
	<del></del>			
		1		
PCT/ISAmen	(continuation of second sheet) (January 2004)			

## INTERNATIONAL SEARCH REPORT

Information on patent family members

T/JP2004/006707

Pa cited	atent document d in search report		Publication date		Patent family member(s)		Publication date
WO	02083446	A 	24-10-2002	CN EP WO JP US	1460076 1380459 02083446 2004115014 2004099455	A1 A1 A	03-12-2003 14-01-2004 24-10-2002 15-04-2004 27-05-2004
US	5848663	A	15-12-1998	JP JP DE	3525954 8175193 19547314	Α	10-05-2004 09-07-1996 11-07-1996
GB	156398	Α	13-01-1921	NONE		·	
DE	3725620	A	23-02-1989	DE	3725620	A1	23-02-1989
US 	5679087	A .	21-10-1997	DE FR	4421427 2721453		18-01-1996 22-12-1995
JP	62227813	Α	06-10-1987	NONE			
EP	0544597	A	02-06-1993	JP JP EP	3196121 5147445 0544597	Α	06-08-2001 15-06-1993 02-06-1993